for 10/643,110

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6455	precursor$1 same nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 15:13
L2	292	precursor$1 same nitride same halide$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 15:13
L3	125	2 and (amine or amide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 15:13

06/16/2006 10643110 Everhart

```
=> d his full

     (FILE 'HOME' ENTERED AT 10:21:17 ON 16 JUN 2006)

     FILE 'REGISTRY' ENTERED AT 10:21:30 ON 16 JUN 2006
L1             STRUCTURE UPLOADED
               D L1

     FILE 'MARPAT' ENTERED AT 10:23:09 ON 16 JUN 2006
L2          0 SEA ABB=ON  PLU=ON  US2005042888/PN

     FILE 'REGISTRY' ENTERED AT 11:04:30 ON 16 JUN 2006
L3             STRUCTURE UPLOADED
               D L3
L4         50 SEA SSS SAM L3
L5       5629 SEA SSS FUL L3

     FILE 'CAPLUS' ENTERED AT 11:06:28 ON 16 JUN 2006
               SET LINE 250
               SET DETAIL OFF
               E MOCVD+ALL/CT
               SET LINE LOGIN
               SET DETAIL LOGIN
L6      285107 SEA ABB=ON  PLU=ON  MOCVD OR CVD OR VAPOR DEPOS? OR ATOMIC
               LAYER DEPOS? OR ALD OR ALCVD OR MONOLAYER OR ATOMIC LAYER
               EPITAR? OR BINARY REACTION OR SEQUENTIAL SURFACE REACT? OR
               (PULSED OR PULSING OR PULSE)(2W)(PRECUR?)
L7          38 SEA ABB=ON  PLU=ON  L5 AND L6
               D IBIB ABS HITSTR HITIND 1-38

     FILE 'STNGUIDE' ENTERED AT 11:13:56 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:19:21 ON 16 JUN 2006
L8             STRUCTURE UPLOADED
               D L8
L9          7 SEA SSS SAM L8
L10       134 SEA SSS FUL L8

     FILE 'CAPLUS' ENTERED AT 11:20:28 ON 16 JUN 2006
L11         0 SEA ABB=ON  PLU=ON  L10 AND L6

     FILE 'STNGUIDE' ENTERED AT 11:21:11 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:22:27 ON 16 JUN 2006
L12            STRUCTURE UPLOADED
               D L12
L13        15 SEA SSS SAM L12
L14       341 SEA SSS FUL L12

     FILE 'CAPLUS' ENTERED AT 11:23:39 ON 16 JUN 2006
L15         1 SEA ABB=ON  PLU=ON  L14 AND L6
L16         0 SEA ABB=ON  PLU=ON  L15 NOT L7

     FILE 'STNGUIDE' ENTERED AT 11:24:10 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:25:35 ON 16 JUN 2006
L17            STRUCTURE UPLOADED
```

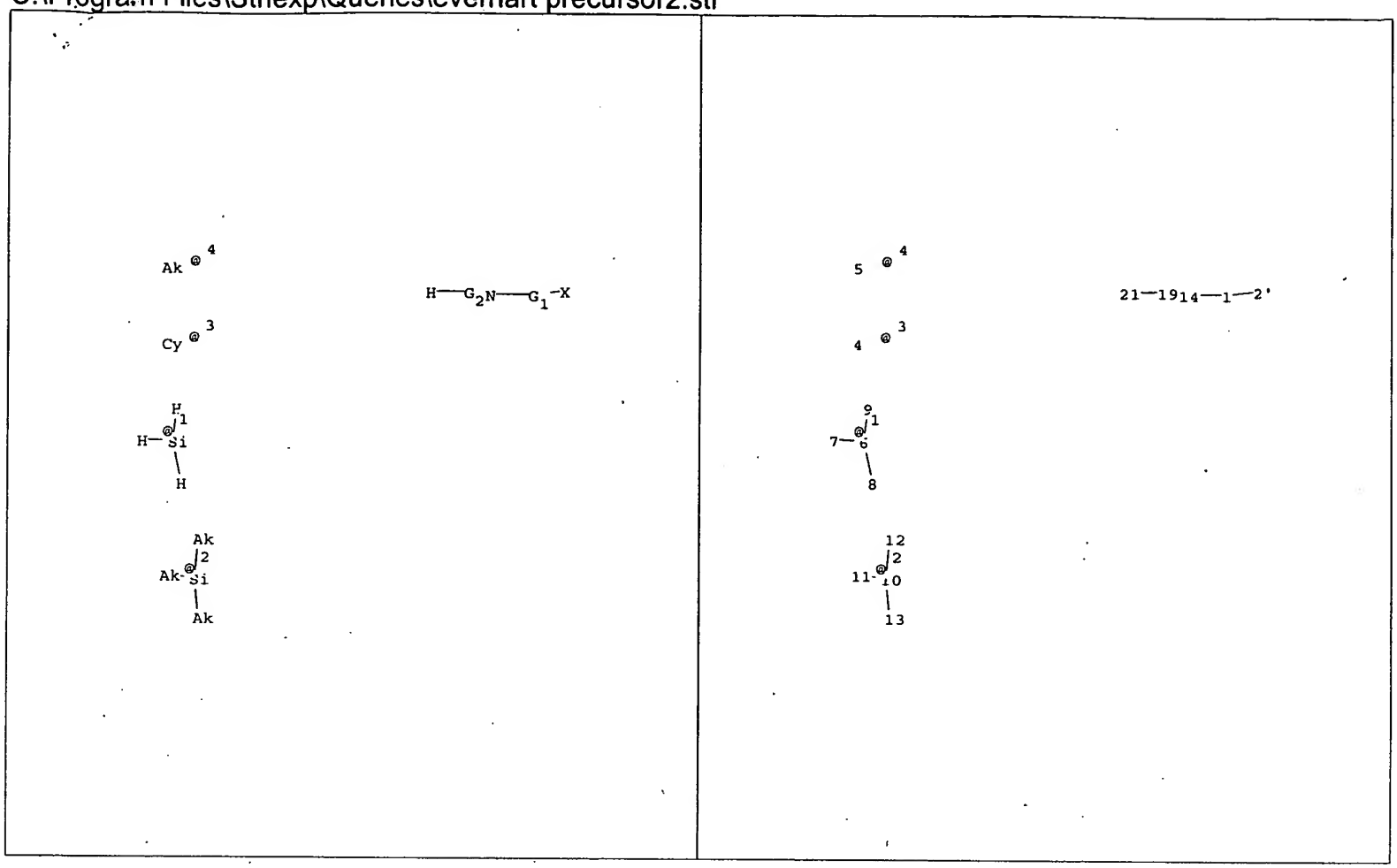
EIC 2800 MARY S. MIMS 272-5928

```
L18             9 SEA SSS SAM L17
L19           811 SEA SSS FUL L17

     FILE 'CAPLUS' ENTERED AT 11:27:06 ON 16 JUN 2006
L20             3 SEA ABB=ON  PLU=ON  L19 AND L6
L21             0 SEA ABB=ON  PLU=ON  L20 NOT L7

     FILE 'STNGUIDE' ENTERED AT 11:28:37 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:30:10 ON 16 JUN 2006
L22               STRUCTURE UPLOADED
L23          3086 SEA SSS FUL L22

     FILE 'CAPLUS' ENTERED AT 11:30:43 ON 16 JUN 2006
L24            28 SEA ABB=ON  PLU=ON  L23 AND L6
L25             0 SEA ABB=ON  PLU=ON  L24 NOT L7

     FILE 'STNGUIDE' ENTERED AT 11:32:09 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:35:33 ON 16 JUN 2006
L26               STRUCTURE UPLOADED
                  D L26
L27             0 SEA SSS SAM L26
L28             0 SEA SSS FUL L26

     FILE 'STNGUIDE' ENTERED AT 11:36:32 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:38:52 ON 16 JUN 2006
L29               STRUCTURE UPLOADED
                  D L29
L30             7 SEA SSS SAM L29
L31           274 SEA SSS FUL L29

     FILE 'CAPLUS' ENTERED AT 11:40:02 ON 16 JUN 2006
L32             1 SEA ABB=ON  PLU=ON  L31 AND L6
L33             0 SEA ABB=ON  PLU=ON  L32 NOT L7

     FILE 'STNGUIDE' ENTERED AT 11:40:36 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:42:34 ON 16 JUN 2006
L34               STRUCTURE UPLOADED
L35             0 SEA SSS SAM L34
L36             0 SEA SSS FUL L34

     FILE 'STNGUIDE' ENTERED AT 11:43:19 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:46:39 ON 16 JUN 2006
L37               STRUCTURE UPLOADED
L38             0 SEA SSS SAM L37
L39             0 SEA SSS FUL L26

     FILE 'STNGUIDE' ENTERED AT 11:48:39 ON 16 JUN 2006

     FILE 'REGISTRY' ENTERED AT 11:52:57 ON 16 JUN 2006
L40               STRUCTURE UPLOADED
                  D L40
L41             0 SEA SSS SAM L40
L42             0 SEA SSS FUL L40
L43             1 SEA ABB=ON  PLU=ON  7440-33-7
```

06/16/2006 10643110 Everhart

```
                D FIDE

      FILE 'CAPLUS' ENTERED AT 11:57:16 ON 16 JUN 2006

      FILE 'REGISTRY' ENTERED AT 13:40:35 ON 16 JUN 2006
L44             STRUCTURE UPLOADED
                D L44
L45           50 SEA SSS SAM L44
L46        28399 SEA SSS FUL L44

      FILE 'CAPLUS' ENTERED AT 13:42:39 ON 16 JUN 2006
L47         2336 SEA ABB=ON  PLU=ON  L46 AND L6
L48          349 SEA ABB=ON  PLU=ON  L47 AND ?PRECURSOR?
                S SILICON NITRIDE/CN

      FILE 'REGISTRY' ENTERED AT 13:45:14 ON 16 JUN 2006
L49             1 SEA ABB=ON  PLU=ON  SILICON NITRIDE/CN

      FILE 'CAPLUS' ENTERED AT 13:45:14 ON 16 JUN 2006
L50        78165 SEA ABB=ON  PLU=ON  L49
L51           23 SEA ABB=ON  PLU=ON  L48 AND L50
L52           22 SEA ABB=ON  PLU=ON  L51 NOT L7
                D IBIB ABS HITSTR 1-22
```

C:\Program Files\Stnexp\Queries\everhart precursor2.str



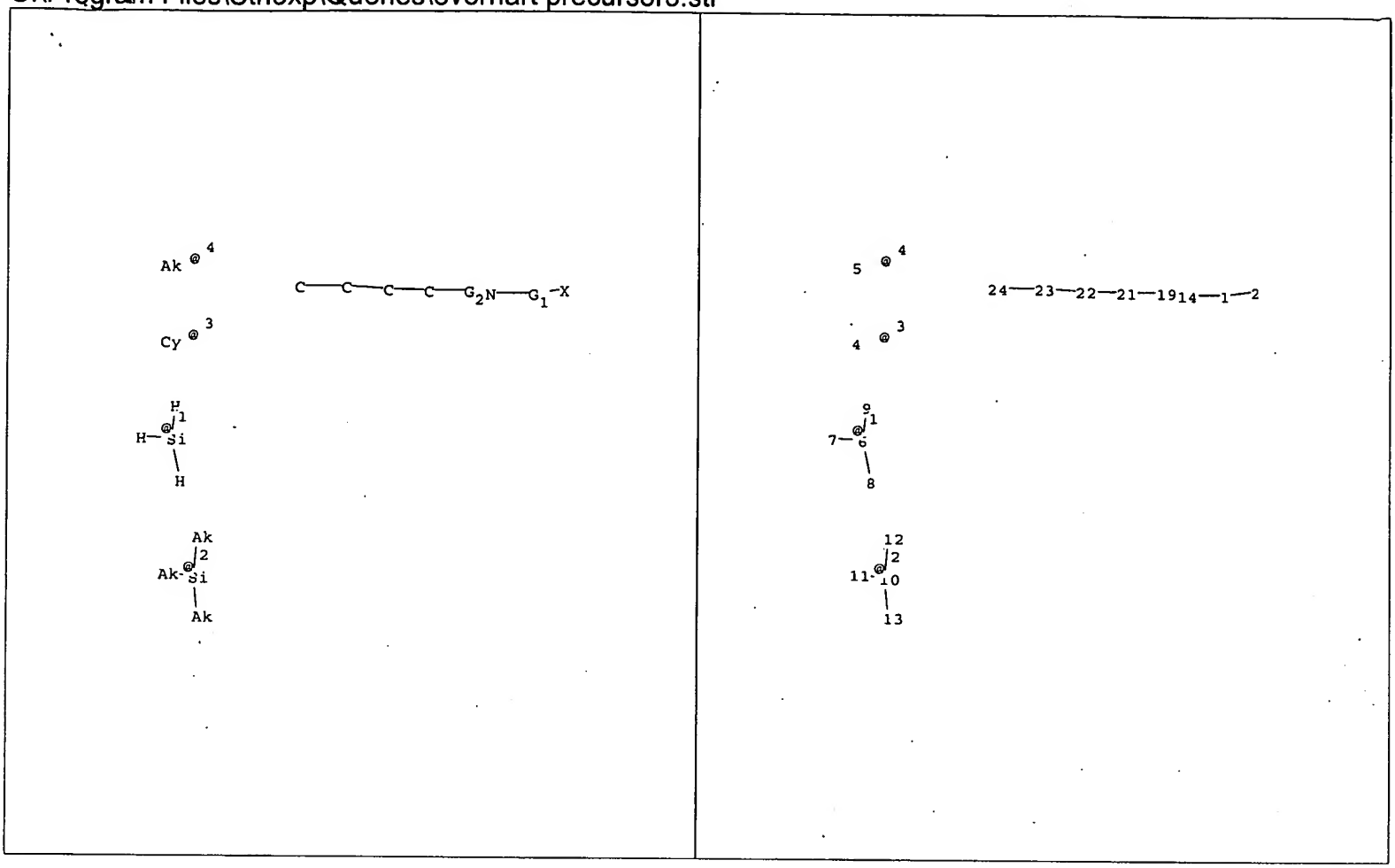
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19 21
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21
exact bonds :
6-7 6-8 6-9

G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor3.str



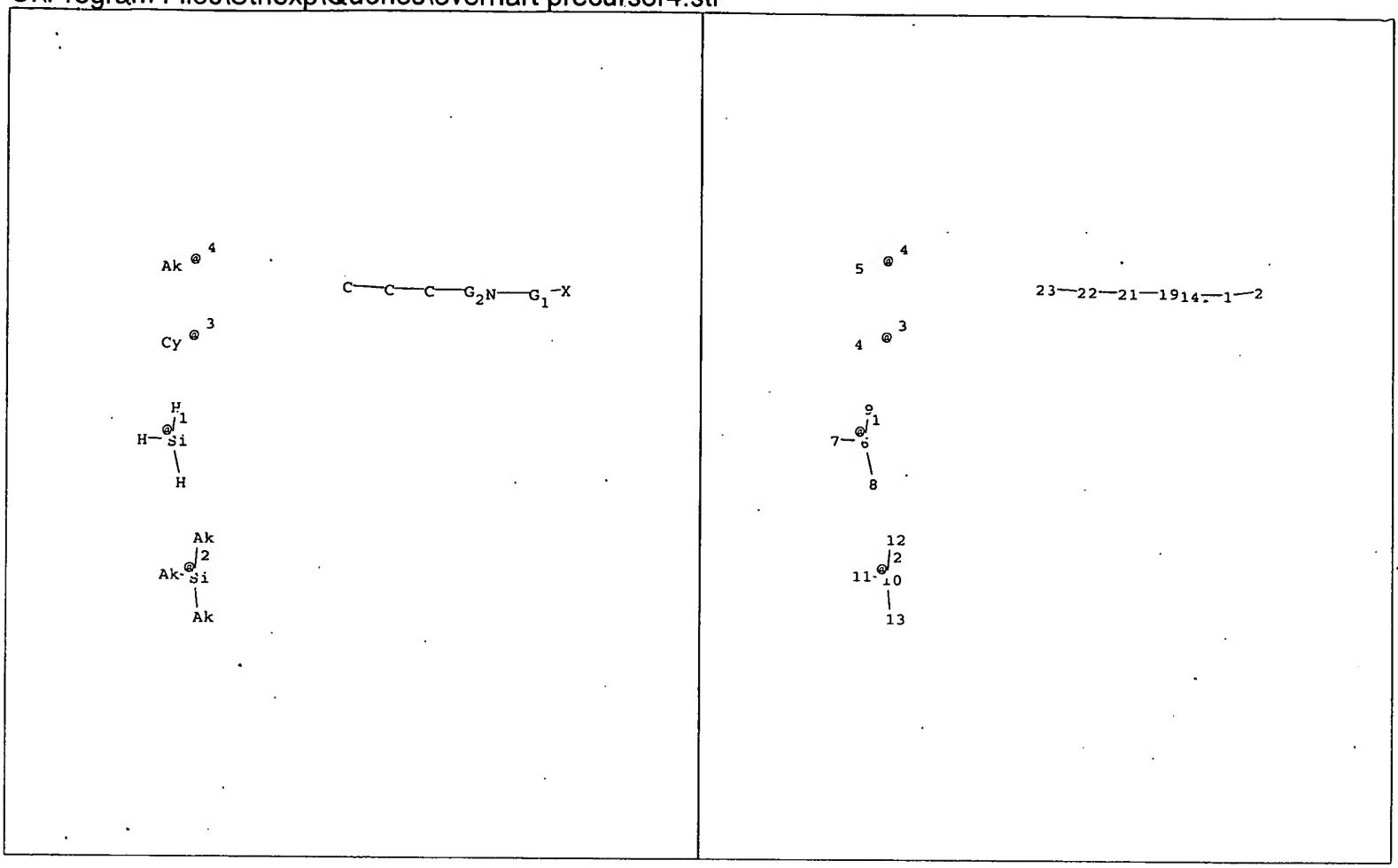
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19 21 22 23 24
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21 21-22 22-23 23-24
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21
exact bonds :
6-7 6-8 6-9 21-22 22-23 23-24

G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor4.str



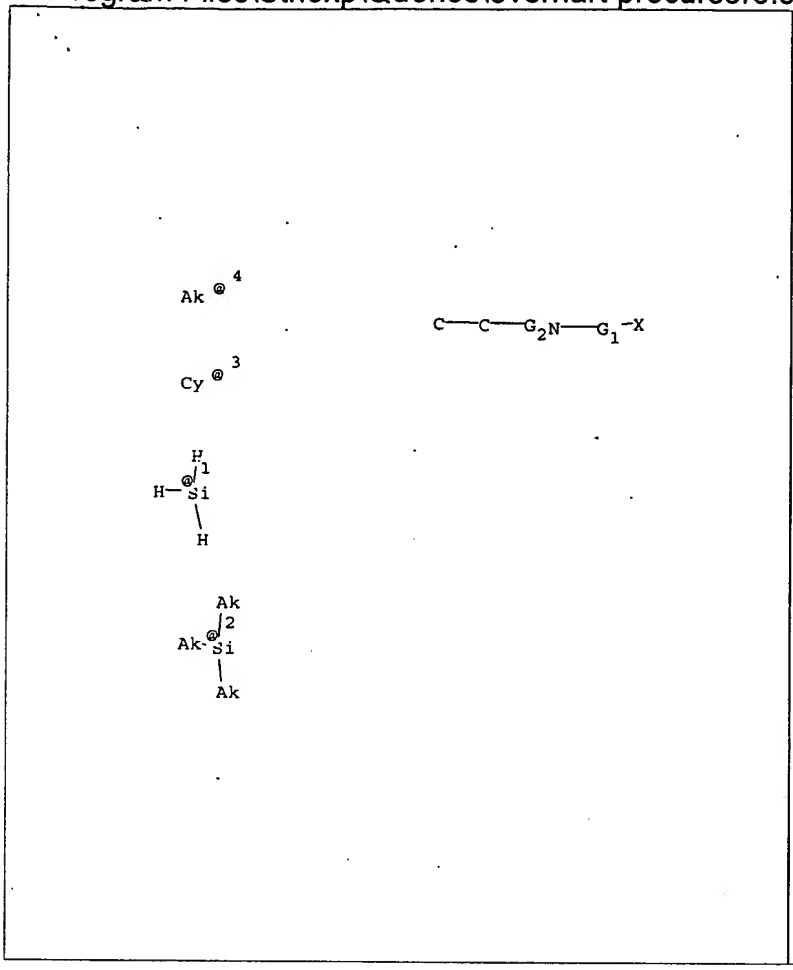
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19 21 22 23
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21 21-22 22-23
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21
exact bonds :
6-7 6-8 6-9 21-22 22-23

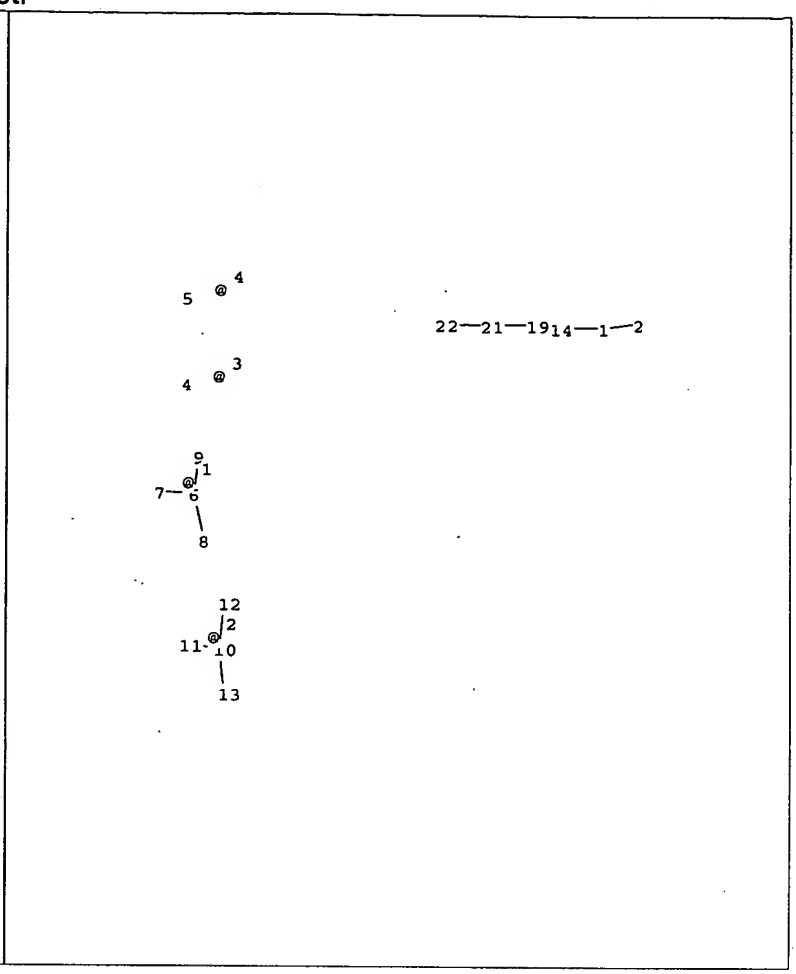
G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS 22:CLASS 23:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor5.str





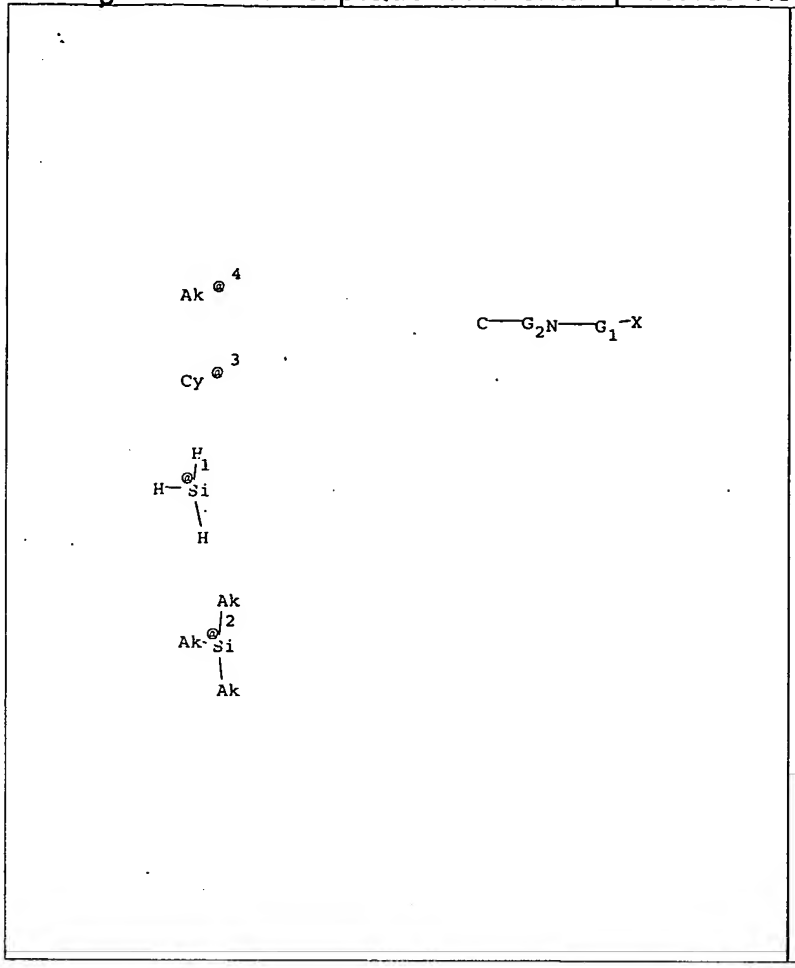
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19 21 22
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21 21-22
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21
exact bonds :
6-7 6-8 6-9 21-22

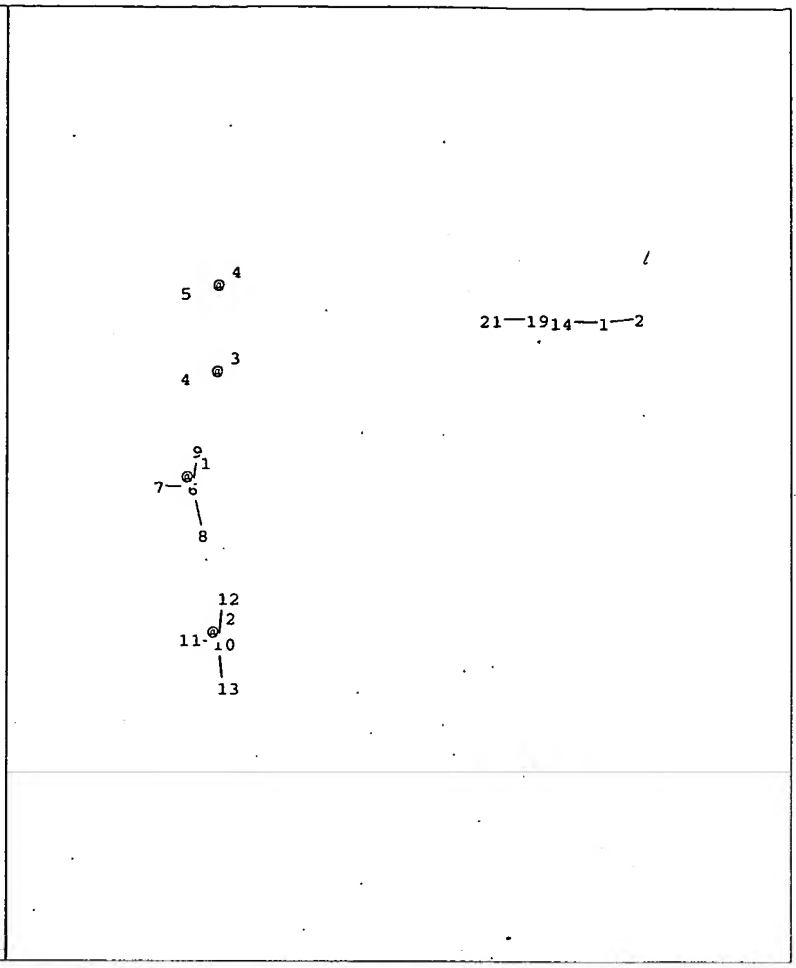
G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS 22:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor6.str





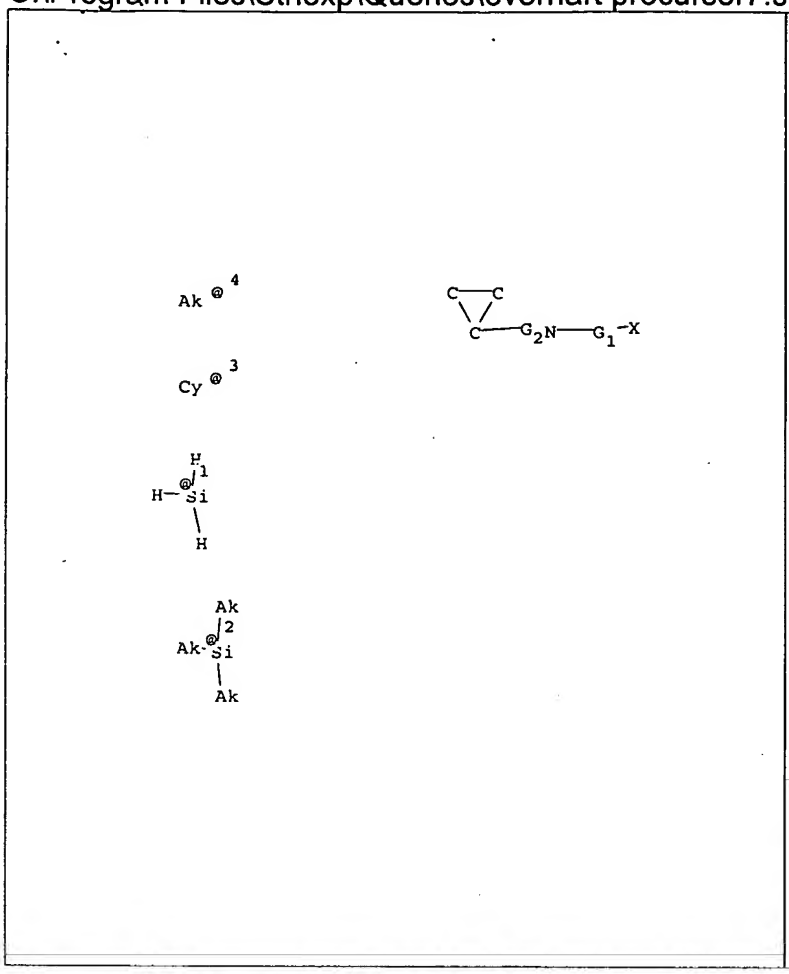
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19 21
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21
exact bonds :
6-7 6-8 6-9

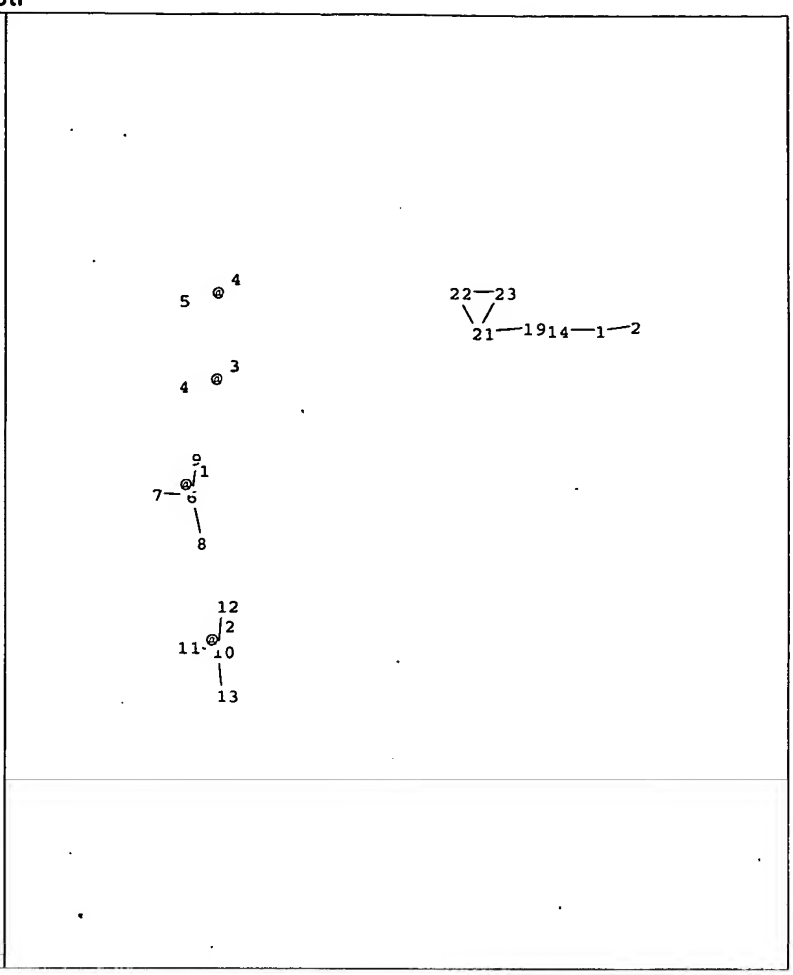
G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor7.str





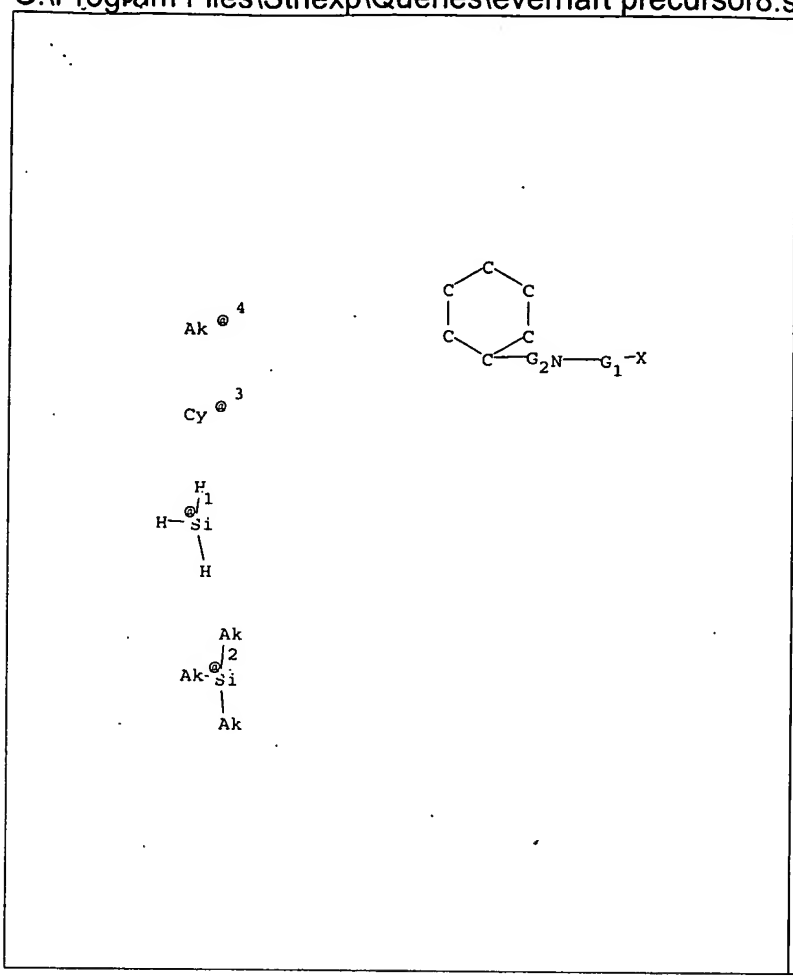
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19
ring nodes :
21 22 23
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
ring bonds :
21-22 21-23 22-23
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21 21-22 21-23 22-23
exact bonds :
6-7 6-8 6-9

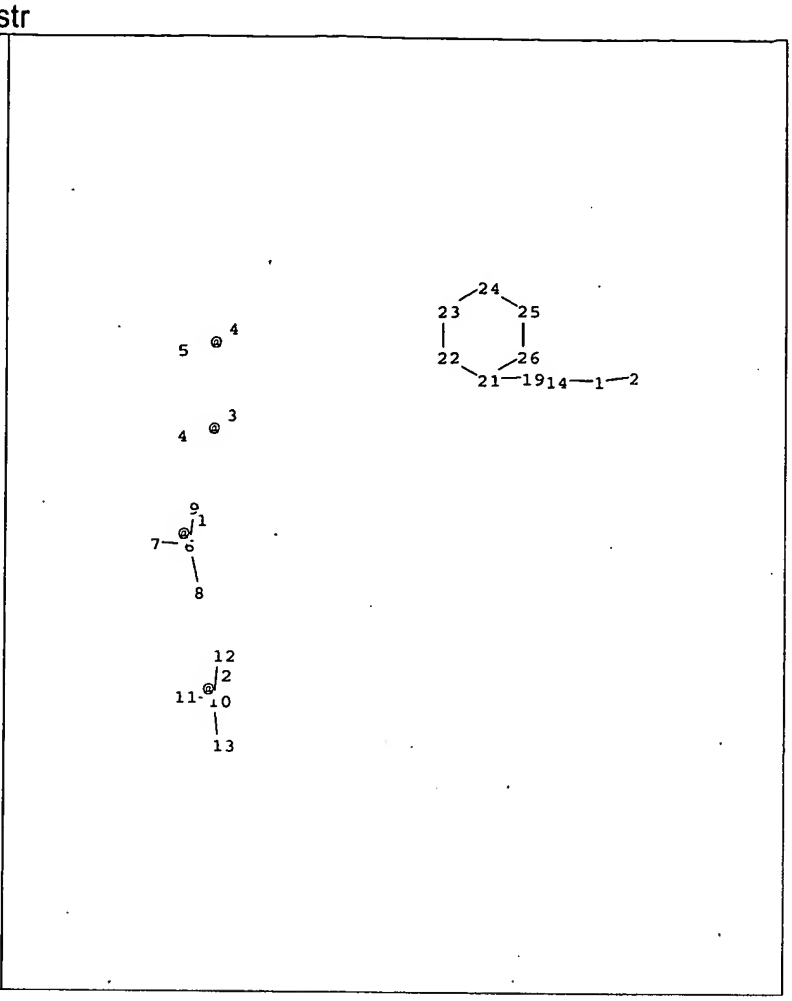
G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:CLASS 22:CLASS 23:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor8.str





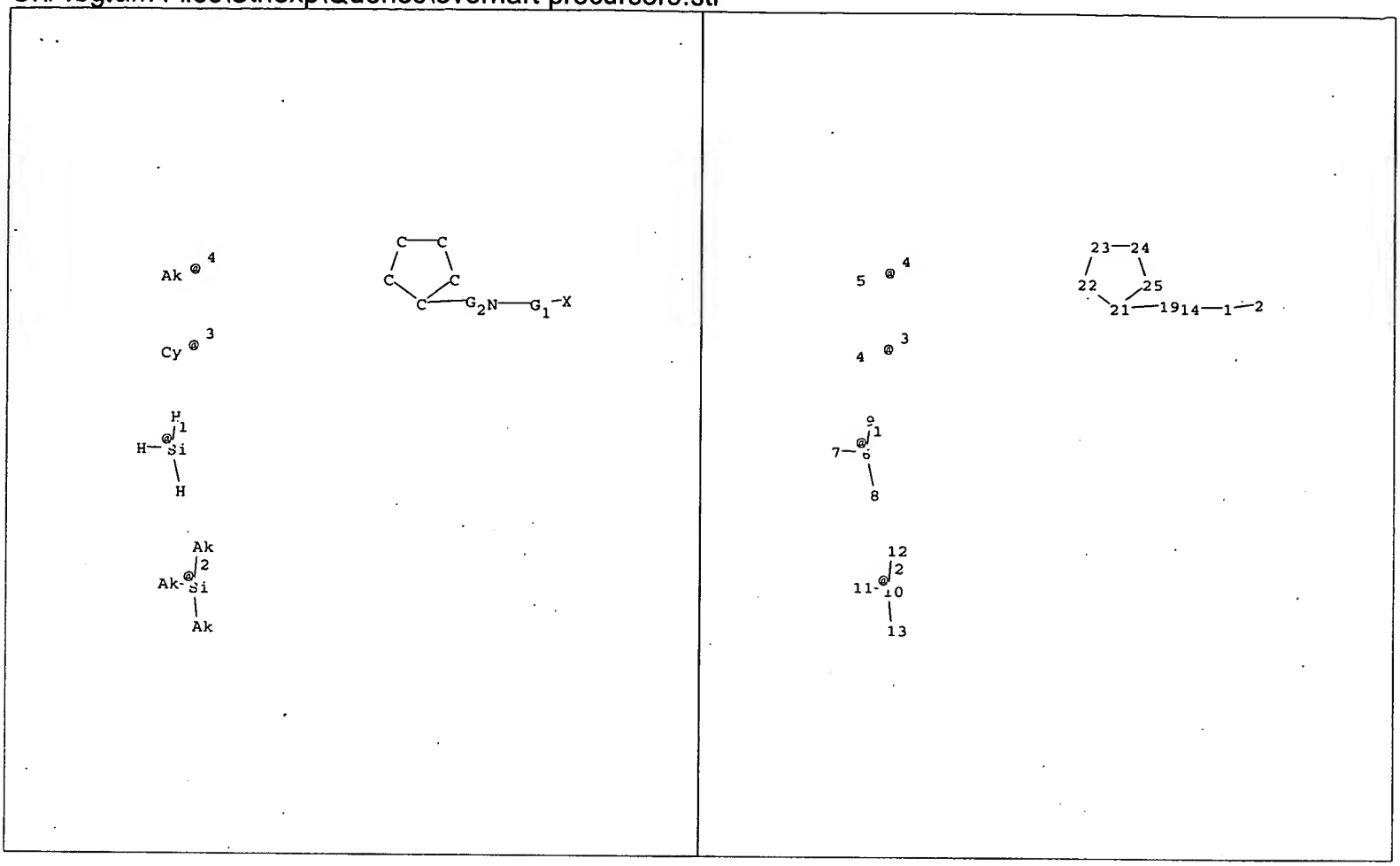
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19
ring nodes :
21 22 23 24 25 26
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
ring bonds :
21-22 21-26 22-23 23-24 24-25 25-26
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21 21-22 21-26 22-23 23-24 24-25 25-26
exact bonds :
6-7 6-8 6-9

G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:Atom 22:CLASS 23:CLASS 24:CLASS 25:Atom 26:Atom

C:\Program Files\Stnexp\Queries\everhart precursor9.str



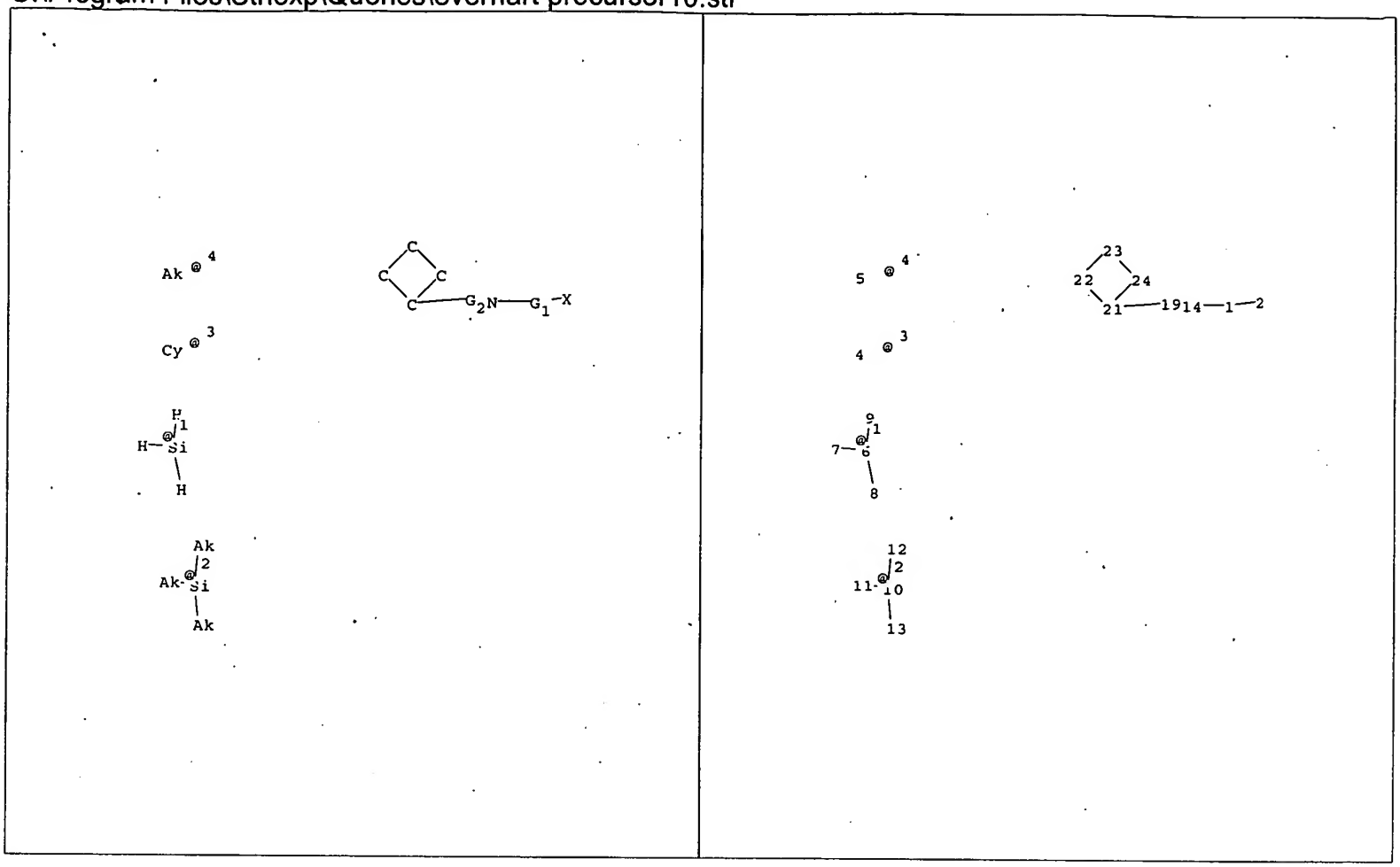
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19
ring nodes :
21 22 23 24 25
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
ring bonds :
21-22 21-25 22-23 23-24 24-25
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21 21-22 21-25 22-23 23-24 24-25
exact bonds :
6-7 6-8 6-9

G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor10.str



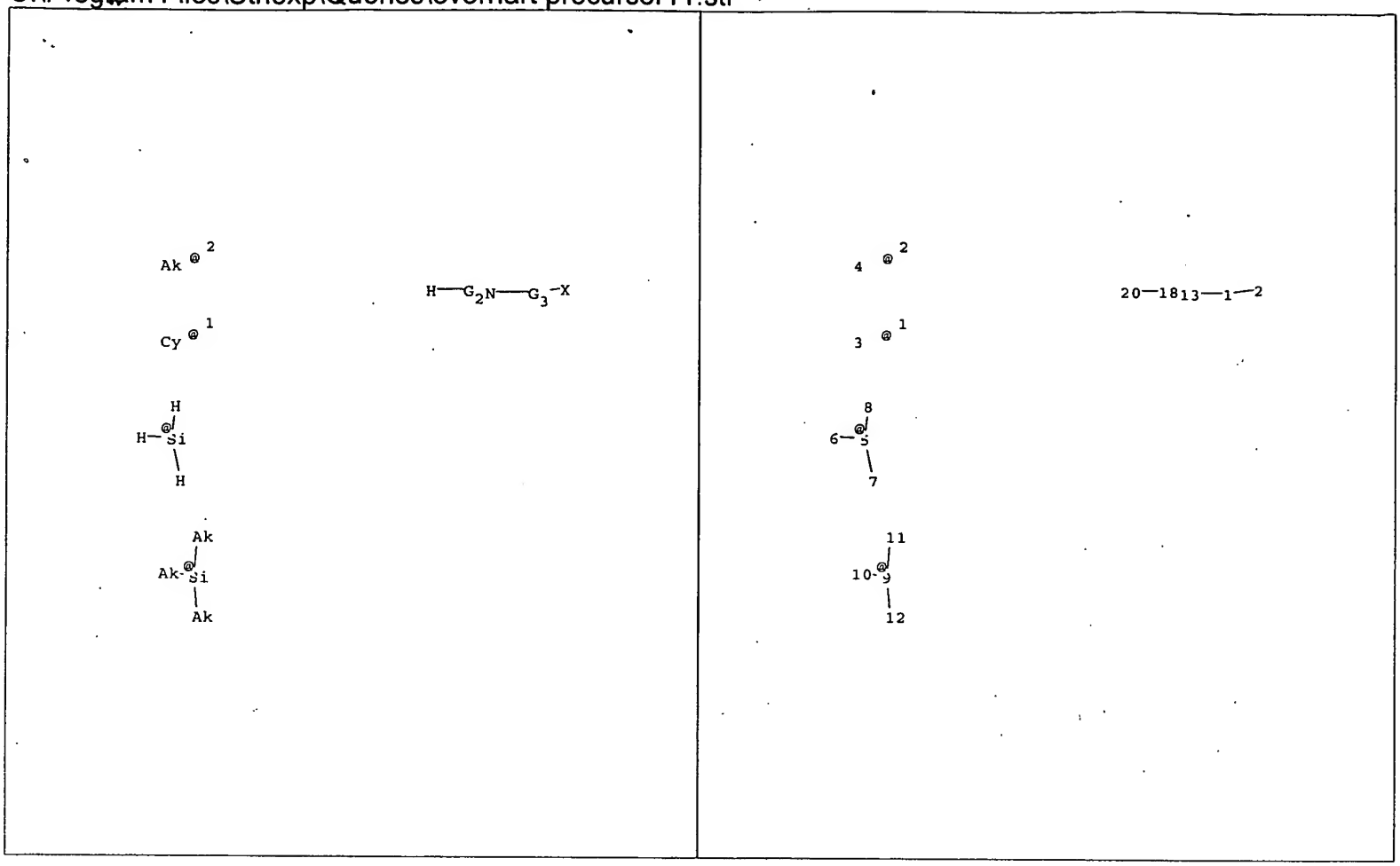
chain nodes :
1 2 4 5 6 7 8 9 10 11 12 13 14 19
ring nodes :
21 22 23 24
chain bonds :
1-2 1-14 6-7 6-8 6-9 10-11 10-12 10-13 14-19 19-21
ring bonds :
21-22 21-24 22-23 23-24
exact/norm bonds :
1-2 1-14 10-11 10-12 10-13 14-19 19-21 21-22 21-24 22-23 23-24
exact bonds :
6-7 6-8 6-9

G1:Si,B,Al,Nb,Ta,Ti,W,[*1],[*2]

G2:[*3],[*4]

Match level :
1:CLASS 2:CLASS 4:Atom 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 19:CLASS 21:Atom 22:Atom 23:Atom 24:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor11.str



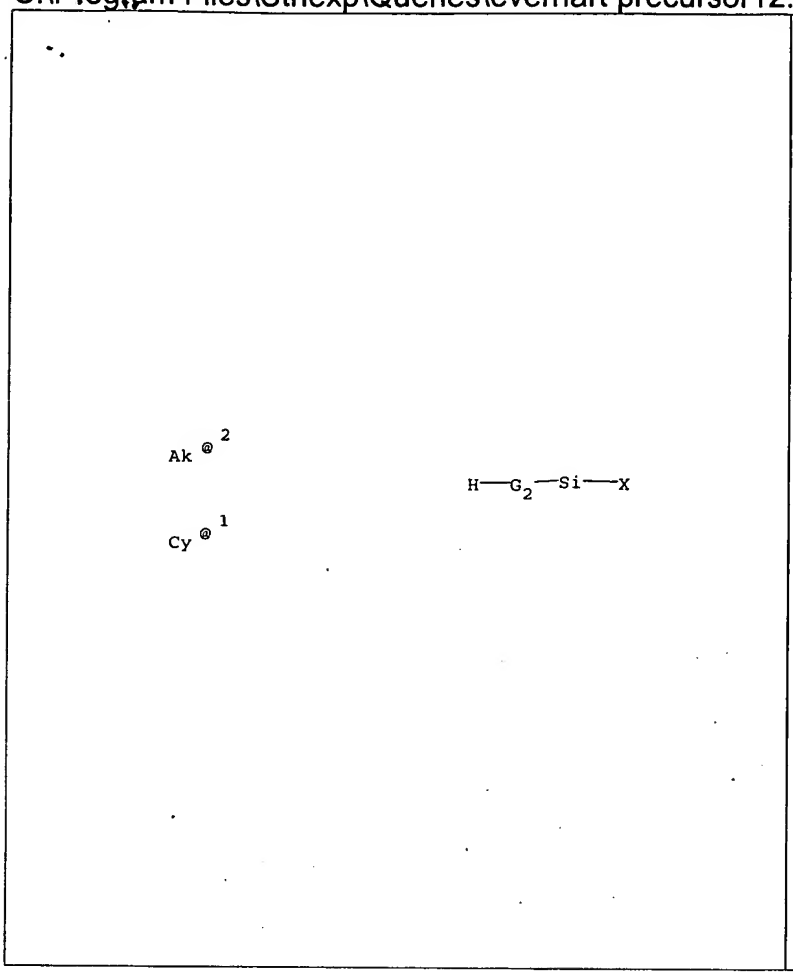
chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 18 20
chain bonds :
1-2 1-13 5-6 5-7 5-8 9-10 9-11 9-12 13-18 18-20
exact/norm bonds :
1-2 1-13 9-10 9-11 9-12 13-18 18-20
exact bonds :
5-6 5-7 5-8

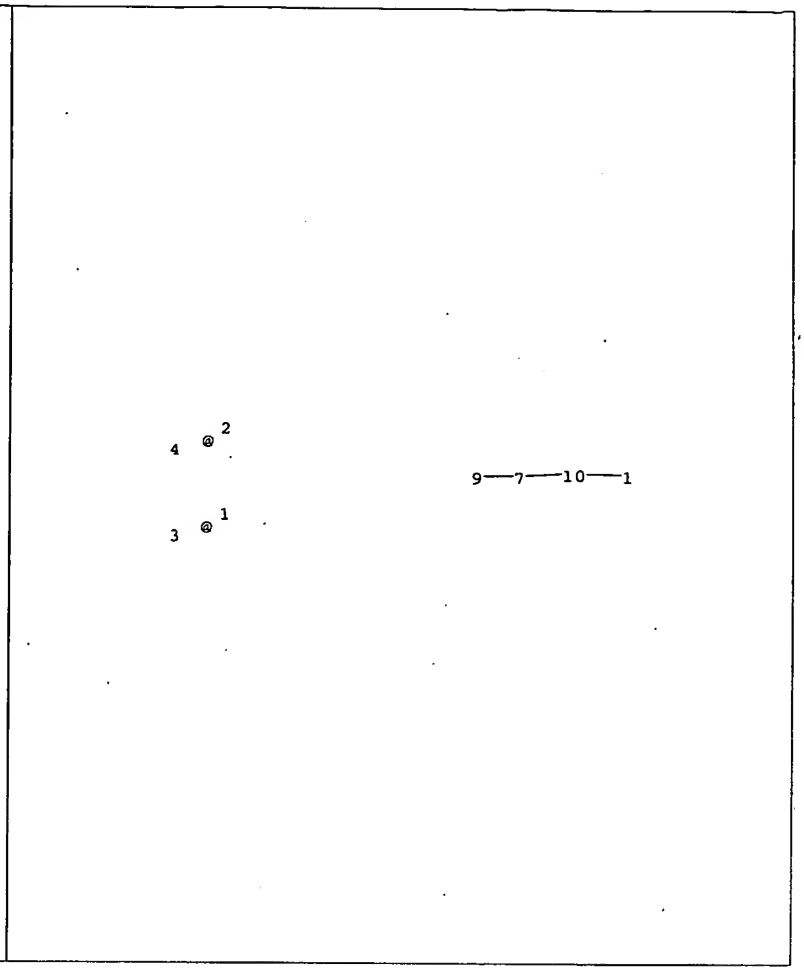
G2:[*1],[*2]

G3:Ta,Ti

Match level :
1:CLASS 2:CLASS 3:Atom 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 18:CLASS 20:CLASS

C:\Program Files\Stnexp\Queries\everhart precursor12.str





chain nodes :
1 3 4 7 9 10
chain bonds :
1-10 7-9 7-10
exact/norm bonds :
7-9 7-10
exact bonds :
1-10

G1:Si,B,Al,Nb,Ta,Ti,W

G2:[*1],[*2]

Match level :
1:CLASS3:Atom 4:CLASS7:CLASS9:CLASS10:CLASS